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GROUP 2100

Sheet 1 of 1

| FORM PTO-149 REV. 7-89 | | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | | ATTY. DOCKET NO. TESSERA 3.3-018 | | SERIAL NO. 08/030,194 | | | | | | | |
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| LIST OF PRIOR ART CITED BY APPLICANT (Use several sheets if necessary) | | | | APPLICANT Khandros et al | | | | | | | | | |
| | | | | FILING DATE April 28, 1993 | | GROUP 2104 | | | | | | | |
| U.S. PATENT DOCUMENTS | | | | | | | | | | | | | |
| EXAMINER INITIAL | | DOCUMENT NUMBER | | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE | | | | | |
| SV | AA | 4 | 6 | 9 | 5 | 8 | 7 | 0 | 9/87 | Patraw | | | |
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| | AP | | | | | | | | | | | | |
| OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.) | | | | | | | | | | | | | |
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| | AS | | | | | | | | | | | | |
| | AT | | | | | | | | | | | | |
| EXAMINER S. Clark | | | | | | DATE CONSIDERED 10-2-95 | | | | | | | |
| *EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | | | | | | | | | | | | | |

Sheet 2 of 2Form PTO-140
REV. 7-90U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
TESSERA 3.3-018SERIAL NO.
PCT/US91/06920LIST OF PRIOR ART CITED BY APPLICANT
(Use several sheets if necessary)APPLICANT
Khandros, et al.FILING DATE
September 24, 1991

GROUP

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
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| SV | AU 8 9 1 0 0 0 5 | 10/19/89 | PCT | | | | |
| SV | AV 9 1 1 2 7 0 6 | 08/22/91 | PCT | | | | |
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OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER

S. Clark

DATE CONSIDERED

10-2-95

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Sheet 1 of 2

| FORM PTO-1447 (REV. 7-89) | | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | | ATTY. DOCKET NO. TESSERA 3.3-018 | | SERIAL NO. PCT/US91/06920 | | | | | | | |
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| LIST OF PRIOR ART CITED BY APPLICANT (Use several sheets if necessary) | | | | APPLICANT Khandros, et al. | | | | | | | | | |
| | | | | FILING DATE September 24, 1991 | | GROUP | | | | | | | |
| U.S. PATENT DOCUMENTS | | | | | | | | | | | | | |
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| SVL | AA | 4 | 7 | 7 | 2 | 9 | 3 | 6 | 09/20/88 | Reding et al. | | | |
| SVL | AB | 4 | 1 | 8 | 9 | 8 | 2 | 5 | 02/26/80 | Robillard et al. | | | |
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| SVL | AL | 4 | 1 | 3 | 4 | 5 | 1 | 7/25/90 | Europat | | | | |
| SVL | AM | 0 | 8 | 0 | 0 | 4 | 1 | 9/22/82 | Europat | | | | |
| SVL | AN | 0 | 7 | 2 | 6 | 7 | 3 | 8/12/82 | Europat (A2) | | | | |
| SVL | AO | 0 | 7 | 2 | 6 | 7 | 3 | 8/12/82 | Europat (A3) | | | | |
| SVL | AP | 2 | 4 | 5 | 8 | 3 | 9 | 12/7/81 | France | | | | |
| OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.) | | | | | | | | | | | | | |
| SVL | AR | IBM Technical Disclosure Bulletin entitled "Non-Permanent Mounting Technique For Test and Burn-In of C4 Devices", November 1990, Vol. 33, No. 7. | | | | | | | | | | | |
| SVL | AS | IBM Technical Disclosure Bulletin, entitled "Extended Pad For Testing Package Parts", December 1984, Vol. 27, No. 7B | | | | | | | | | | | |
| SVL | AT | IBM Technical Disclosure Bulletin entitled "Test And Repair of Direct Chip Attach Modules", August 1980, Vol. 21, No. 2 | | | | | | | | | | | |
| EXAMINER S. Clark | | | | | | DATE CONSIDERED 10-2-95 | | | | | | | |
| *EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 604; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | | | | | | | | | | | | | |



| FORM PTO-149 (REV. 7-90) | | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | | ATTY. DOCKET NO. TESSERA 3.3-018 | | SERIAL NO. 08/030,194 | |
|---|----|--|---------|-------------------------------------|-------|-------------------------------|-------------------------------|
| LIST OF PRIOR ART CITED BY APPLICANT (Use several sheets if necessary) | | | | APPLICANT KHANDROS ET AL. | | FILING DATE April 28, 1993 | |
| | | | | GROUP 2104 | | | |
| U.S. PATENT DOCUMENTS | | | | | | | |
| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
| SVL | AA | 4 6 5 5 5 2 4 | 4/08/87 | ETZEL | | | |
| | AB | | | | | | |
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| EXAMINER S. Clark | | | | DATE CONSIDERED 10-2-95 | | | |
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Attorney Docket No. TESSERA 3.3-018Applicant: Khandros et alFiling Date: April 28, 1993Group: 2503**LIST OF PRIOR ART CITED BY APPLICANT****U.S. PATENT DOCUMENTS**

| EXAMINER INITIAL | DOCUMENT NUMBER: | DATE | NAME | CLASS | SUB- CLASS | FILING DATE |
|---------------------|---------------------|----------|----------------|-------|---------------|----------------|
| SJC | 5,053,922** | 10/01/91 | Matta et al | — | — | 08/31/89 |
| SJC | 5,086,337** | 2/00/92 | Noro et al | — | — | |
| SJC | 5,117,275** | 5/00/92 | Bregman | — | — | 10/24/90 |
| SJC | 5,123,850** | 6/23/92 | Elder et al | — | — | 04/06/90 |
| SJC | 5,289,346** | 2/00/94 | Carey et al | — | — | 02/26/91 |
| SJC | 5,350,947** | 09/27/94 | Takekawa et al | — | — | 10/28/92 |
| SJC | 5,379,191** | 01/03/95 | Carey et al | — | — | 02/26/91 |
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EXAMINER: S. ClarkeDATE CONSIDERED: 10-2-95



Attorney Docket No. TESSERA 3.3-018
Applicant: Khandros et al
Filing Date: April 28, 1993
Group: 2503

LIST OF PRIOR ART CITED BY APPLICANT**U.S. PATENT DOCUMENTS**

| EXAMINER INITIAL | DOCUMENT NUMBER: | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|------------------|------------------|----------|---------------------|-------|-----------|-------------|
| SVC | 3,302,067 | 1/00/67 | Jackson et al | — | — | |
| SVC | 3,390,308 | 3/00/66 | Marley | — | — | |
| SVC | 3,426,252 | 2/00/69 | Lepselter | — | — | |
| | 3,474,297 | 10/00/69 | Bylander | — | — | |
| | 3,487,541 | 1/00/70 | Boswell | — | — | |
| | 3,614,832 | 11/00/71 | Chance et al | — | — | |
| | 3,680,037 | 7/00/72 | Nellis et al | — | — | |
| | 3,680,206 | 8/00/72 | Roberts | — | — | |
| | 3,683,105 | 8/00/72 | Shamash et al | — | — | |
| | 3,772,575 | 11/00/73 | Hegarty et al | — | — | |
| | 3,795,037 | 3/00/74 | Luttmer | — | — | |
| | 3,832,769 | 9/00/74 | Olyphant, Jr. et al | — | — | |
| | 3,862,790 | 1/00/75 | Davies et al | — | — | |
| | 3,864,728 | 2/00/75 | Peltz et al | — | — | |
| SVC | 3,868,724 | 2/00/75 | Perrino | — | — | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|------------------|-----------------|----------|---------|-------|-----------|-------------|
| SVC | WO 89/12911 | 12/00/89 | | — | — | |
| SVC | 072673 | 8/00/82 | Europat | — | — | |
| SVC | 080041 | 9/00/82 | Europat | — | — | |
| | 245179 | | Europat | — | — | |
| SVC | 413451 | 7/00/90 | Europat | — | — | |
| SVC | 1003396 | 3/00/83 | Soviet | — | — | |

OTHER PRIOR ART (including Author, Titles Date, Pertinent Pages, Etc.)

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|-----|---|
| SVC | IBM Technical Disclosure Bulletin, Jan. 1985, Vol. 27, No. 8, Pg. 4855 |
| SVC | IBM Technical Disclosure Bulletin, "Non-Permanent Mounting Technique for Test and Burn-In of C4 Devices", Nov. 1990, Vol. 33, No. 7 |
| SVC | IBM Technical Disclosure Bulletin, "Extended Pad for Testing Package Parts", Dec. 1984, Vol. 27, No. 7B pp., 4210-4211 |
| SVC | IBM Technical Disclosure Bulletin, "Test and Repair of Direct Chip Attach Modules", Aug. 1988, Vol 31, No. 3 |

EXAMINER: S. KhanDATE CONSIDERED: 10-2-95

Attorney Docket No. TESSERA 3.3-018Applicant: Khandros et alFiling Date: April 28, 1993Group: 2503**LIST OF PRIOR ART CITED BY APPLICANT****U.S. PATENT DOCUMENTS**

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|------------------|------------------|----------|------------------|-------|-----------|-------------|
| SVL | 3,925,404** | 04/27/76 | Matunami | - | - | |
| SVL | 4,179,802 | 12/00/79 | Joshi et al | - | - | |
| SVL | 4,189,825 | 2/26/80 | Robillard et al | - | - | |
| | 4,237,607 | 12/00/80 | Ohno | - | - | |
| | 4,356,374 | 10/00/82 | Noyori et al | - | - | |
| | 4,410,905 | 10/18/83 | Grabbe | - | - | |
| | 4,545,610 | 10/00/85 | Lakritz et al | - | - | |
| | 4,574,470 | 3/00/86 | Burt | - | - | |
| | 4,597,617 | 7/1/86 | Enochs | - | - | |
| | 4,604,644 | 8/00/86 | Beckham et al | - | - | |
| | 4,627,151 | 12/00/86 | Mulholland et al | - | - | |
| | 4,628,406 | 12/00/86 | Smith et al | - | - | |
| SVL | 4,655,524** | 4/00/87 | Etzel | - | - | |
| SVL | 4,670,770 | 6/00/87 | Tai | - | - | |
| SVL | 4,681,654 | 7/00/87 | Clementi et al | - | - | |

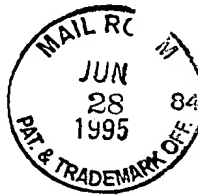
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| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|------------------|-----------------|----------|---------|-------|-----------|-------------|
| SVL | 2495839 | 12/00/81 | France | - | - | - |
| X | 8910005 | 10/00/89 | WIPO | - | - | - |
| X | 9112706 | 8/00/91 | WIPO | - | - | - |
| SVL | 1-155633 | 6/19/89 | Japan | - | - | - |
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OTHER PRIOR ART (including Author, Titles Date, Pertinent Pages, Etc.)

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| SVL | Microelectronics Packaging Handbook, 1989, pp. 420-423, 1132, Rao R. Tummala and Eugen J. Rymaszewski |
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EXAMINER: SVLDATE CONSIDERED: 10-2-95



Sheet 3 of 5

Attorney Docket No. TESSERA 3.3-018Applicant: Khandros et alFiling Date: April 28, 1993Group: 2503**LIST OF PRIOR ART CITED BY APPLICANT****U.S. PATENT DOCUMENTS**

| EXAMINER INITIAL | DOCUMENT NUMBER: | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|------------------|------------------|----------|-------------------|-------|-----------|-------------|
| SVL | 4,685,998 | 8/00/87 | Quinn et al | — | — | |
| SVL | 4,695,870** | 9/22/87 | Patraw | — | — | |
| SVL | 4,709,468 | 12/00/87 | Wilson | — | — | |
| | 4,710,798 | 12/00/87 | Marcantonio | — | — | |
| | 4,721,993 | 1/00/88 | Walter | — | — | |
| | 4,751,199 | 6/00/88 | Phy | — | — | |
| | 4,751,482 | 6/00/88 | Fukuta et al | — | — | |
| | 4,764,804** | 8/00/88 | Sahara et al | — | — | |
| | 4,772,936 | 9/00/88 | Reding et al | — | — | |
| | 4,783,719** | 11/08/88 | Jamison et al | — | — | |
| | 4,793,814 | 12/00/88 | Zifcak et al | — | — | |
| | 4,796,078 | 2/00/89 | Phelps, Jr. et al | — | — | |
| SVL | 4,811,082 | 3/00/89 | Jacobs et al | — | — | |
| SVL | 4,814,295 | 3/00/89 | Mehta | — | — | |
| SVL | 4,818,728** | 4/00/89 | Rai et al | — | — | |

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| EXAMINER INITIAL | DOCUMENT NUMBER: | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|------------------|------------------|----------|--------------------|-------|-----------|-------------|
| SVC | 4,855,867 | 8/00/89 | Gazdik et al | — | — | |
| SVC | 4,874,721 | 10/00/89 | Kimura et al | — | — | |
| SVC | 4,878,098 | 10/00/89 | Saito et al | — | — | |
| | 4,884,122 | 11/00/89 | Eichelberger et al | — | — | |
| | 4,893,172** | 1/00/90 | Matsumoto et al | — | — | |
| | 4,918,811 | 4/24/90 | Eichelberger et al | — | — | |
| | 4,924,353 | 5/08/90 | Patraw | — | — | |
| | 4,926,241 | 3/00/89 | Carey | — | — | |
| | 4,937,203** | 6/00/90 | Eichelberger et al | — | — | |
| | 4,941,033 | 7/00/90 | Kishida | — | — | |
| | 4,942,140** | 7/00/90 | Ootsuki et al | — | — | |
| SVC | 4,954,878 | 9/00/90 | Fox et al | — | — | |
| SVC | 4,967,261 | 10/00/90 | Niki et al | — | — | |
| SVC | 4,989,069 | 1/00/91 | Hawkins | — | — | |
| SVC | 5,029,325** | 7/02/91 | Higgins III et al | — | — | 8/31/90 |

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